

IN THE CLAIMS

1. (Currently Amended) A magnetic disc apparatus ~~of a~~
~~system of supplying having a lubricant source to a magnetic~~
~~disc platter, wherein comprising:~~

a base cover;

a magnetic disc platter;

a spindle which secures said magnetic disc platter
rotatably;

a head assembly having an arm coupled with a read/write
IC and a voice coil motor including a magnet and a coil;

a magnetic head which is secured by said arm; and

a base which secures said spindle and said head assembly,

~~at least any of components in apparatus the wherein a~~
temperature of an inner portion of said magnetic disc
apparatus temperature, while the magnetic disc apparatus is
operated, is of which becomes higher than that of a said base
cover or a said base of the magnetic disc apparatus, the
inner portion being is coated with a lubricant having an the
number average molecular weight of which is in a range of from
900 to 2500.

2. (Currently Amended) A magnetic disc apparatus
according to Claim 1, wherein:

~~the component in apparatus coated with the lubricant is a component in apparatus the temperature while the magnetic disc apparatus is operated of which is higher the temperature of said inner portion is higher than the temperature of said base cover or said base by 10 C° or more than the cover or the base of the magnetic disc apparatus.~~

3. (Currently Amended) A magnetic disc apparatus ~~of a system of supplying lubricant to a magnetic disc platter,~~ according to claim 1, wherein:

~~at least either of the surface of said inner portion is a read/write IC unit or the surface of a said magnet of a said voice coil motor (VCM) in the magnetic disc apparatus is coated with lubricant the number average molecular weight of which is in a range of 900 to 2500.~~

4. (Currently Amended) A magnetic disc apparatus ~~of a system of supplying having a lubricant source to a magnetic disc platter, wherein~~ comprising:

a base cover;

a magnetic disc platter;

a shroud located outside said magnetic disc platter;

a spindle which secures said magnetic disc platter
rotatably;

a head assembly having an arm coupled with a read/write
IC and a voice coil motor including a magnet and a coil;

a magnetic head which is secured by said arm; and

a base which secures said spindle and said head assembly;
and

~~at least either of the surfaces substantially~~
~~perpendicular to the data surface of a magnetic disc platter~~
~~of a component located outside the magnetic disc platter when~~
~~the component is viewed from the rotational center in the~~
~~magnetic disc apparatus wherein a temperature of an inner~~
~~portion of said magnetic disc apparatus is higher than said~~
~~base cover or said base, the inner portion being~~~~is~~ coated with
~~a lubricant the number~~having an average molecular weight of
~~which is in a range of from~~ 900 to 2500.

5. (Currently Amended) A magnetic disc apparatus ~~of a~~
~~system of supplying~~ having a lubricant source ~~to a magnetic~~
~~disc platter, wherein~~ comprising:

a base cover;

a magnetic disc platter;

a spindle which secures said magnetic disc platter
rotatably;

a head assembly having an arm coupled with a read/write
IC and a voice coil motor including a magnet and a coil;

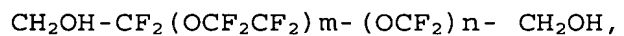
a magnetic head which is secured by said arm; and

a base which secures said spindle and said head assembly,
wherein said magnetic disc apparatus defines an inner portion
with components and wherein

~~— a cover, a base, a pivot bearing and a tapped hole for~~
~~screwing a said spindle, said head assembly and others or~~
~~components in said inner portion in the magnetic disc~~
~~apparatus are are higher in temperature than said base cover~~
~~or said base, the inner portion being coated with a lubricant~~
~~having the number an average molecular weight of which is in a~~
~~range of from 900 to 2500.~~

6. (Currently Amended) A magnetic disc apparatus
 according to Claim 1, wherein:

~~the coated said~~ lubricant is perfluoropolyether lubricant
 shown by the following chemical formula: ~~(1).~~



~~where, (m and n: integer are natural numbers.)~~

~~Chemical formula (1)~~

7. (Withdrawn) A method of fabricating a magnetic disc apparatus of a system of supplying lubricant to a magnetic disc platter in the magnetic disc apparatus, wherein:

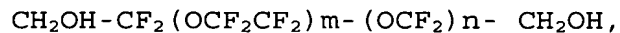
a process for applying lubricant to a component-in-magnetic disc which is a lubricant supply source includes at least any of a lubricant dip coating process, an application process by a brush and a sponge marker and a process for dropping lubricant via a tapped hole for attaching a cover of the magnetic disc apparatus to a base.

8. (New) A magnetic disc apparatus according to claim 4, wherein the temperature of said inner portion is higher than the temperature of said base cover or said base by 10 C° or more while the magnetic disc apparatus is operated.

9. (New) A magnetic disc apparatus according to claim 4, wherein said inner portion is a read/write IC, said magnet of said voice coil motor or said shroud.

10. (New) A magnetic disc apparatus according to Claim 4, wherein:

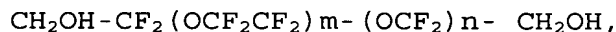
said lubricant is perfluoropolyether lubricant shown by the following chemical formula:



where, m and n are natural numbers.

11. (New) A magnetic disc apparatus according to Claim 5, wherein:

said lubricant is perfluoropolyether lubricant shown by the following chemical formula:



where, m and n are natural numbers.

12 (New) A magnetic disk apparatus according to claim 1, wherein the lubricant is supplied via a tapped hole provided for attaching the base cover and the base.

13. (New) A magnetic disk apparatus according to claim 4, wherein the lubricant is supplied via a tapped hole provided for attaching the base cover and the base.

14. (New) A magnetic disk apparatus according to claim 5, wherein the lubricant is supplied via a tapped hole provided for attaching the base cover and the base.